**Construction Details**

Optical Fibers are placed inside filled buffer tubes containing gel. The core is constructed by stranding the buffer tubes around a central member. The core is covered with a water-blocking tape and a black outer sheath is applied. Ripcords are included under outer sheath for ease of entry.

**Specifications**

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Number of Fibers per tube</th>
<th>Number of tubes</th>
<th>Diameter (mm)</th>
<th>Cable Weight (kg/km)</th>
<th>Tensile Strength (N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-12F</td>
<td>2</td>
<td>1-6</td>
<td>9.0</td>
<td>65</td>
<td>1000</td>
</tr>
<tr>
<td>24F</td>
<td>4</td>
<td>6</td>
<td>9.0</td>
<td>65</td>
<td>1000</td>
</tr>
<tr>
<td>48F</td>
<td>8</td>
<td>6</td>
<td>10.0</td>
<td>75</td>
<td>1500</td>
</tr>
<tr>
<td>96F</td>
<td>12</td>
<td>8</td>
<td>11.0</td>
<td>100</td>
<td>2000</td>
</tr>
<tr>
<td>144F</td>
<td>12</td>
<td>12</td>
<td>13.5</td>
<td>160</td>
<td>3000</td>
</tr>
</tbody>
</table>

**Environmental Specifications (Temperature)**

Operation and Storage: -40°C to +70°C
Installation: -30°C to +75°C

**Standards Compliant**

- ITU-T
- Telecordia GR-20
- IEC 60793 & 60794
- EIA/TIA
- EN187000
- RUS1755.900

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Ribbon Multitube

Features
- This design offers a reliable transmission performance over a broad temperature range.
- Ribbon Fibers – 8 fibers per ribbon
- High Fiber density up to 576 fibers
- Improved compressive strength
- The Nylon-12 outer jacket protects the cable from rodent bites
- Multiple Network applications.

Applications
- Underground duct and lashed aerial
- Trunk distribution and feeder cable
- Local loop, Metro, Long Haul and broadband network

Product Options
- Available with all kinds of Single Mode and Multimode fibers.
- Length option of 2.0, 4.0 km.

Construction Details
Fibers ribbons are placed inside gel-filled tubes. Each tube contains up to 12 discretely identified, 12-fiber ribbons for maximum design load capacity of 576 optical fibers. The core is helically wrapped with water-blocking strength members. Ripcords are included under the inner sheath for ease of entry. A Nylon-12 outer jacket protects the cable from rodent bites.

Specifications

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Number of Ribbons per tube</th>
<th>Number of tubes</th>
<th>Diameter (mm)</th>
<th>Cable Weight (kg/km)</th>
<th>Tensile Strength (N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>48</td>
<td>1</td>
<td>4</td>
<td>19.0</td>
<td>280</td>
<td>4000</td>
</tr>
<tr>
<td>96</td>
<td>1, 2</td>
<td>2 tubes with 1 ribbon</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 tubes with 2 ribbon</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>144</td>
<td>2</td>
<td>6</td>
<td>20.5</td>
<td>340</td>
<td>4500</td>
</tr>
<tr>
<td>288</td>
<td>6</td>
<td>4</td>
<td>24.0</td>
<td>525</td>
<td>6000</td>
</tr>
<tr>
<td>576</td>
<td>8</td>
<td>6</td>
<td>30.0</td>
<td>740</td>
<td>6000</td>
</tr>
</tbody>
</table>

Environmental Specifications (Temperature)
Operation and Storage: -40°C to +70°C
Installation: -30°C to +75°C

Standards Compliant
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